

IN THE CLAIMS:

Please amend claims 15 and 16, and add new claims 21 to 27 as shown below. Please cancel claims 1 to 14 and 17 to 19 without prejudice or disclaimer of subject matter. The claims, as pending in the subject application read as follows:

1. to 14. (Cancelled)

15. (Currently Amended) ~~The An~~ image data processing system according to claim 12, comprising:

a photoelectric conversion device comprising a substrate provided with a plurality of photoelectric conversion elements and a light source for radiating light rays having no image data to a plurality of the photoelectric conversion elements;

a radiation source; and

control means for independently controlling the radiation source, the light source and the photoelectric conversion device,

wherein the control means drives the radiation source during [[a]] an image-pickup period for irradiating image data and ~~operates~~ drives the light source during a non-image-pickup period of not irradiating image data.

16. (Currently Amended) A driving method of an image data processing system which comprises a first and a second light source, a semiconductor element having a semiconductor layer having an absorption region in a wavelength of light rays radiated

from the second light source, and control means for independently controlling the first and the second light sources, comprising the steps of:

radiating light rays of the first light source during an image-pickup period and reading out image data, the light rays of the first light source having image data; and

radiating light rays of the second light source during [[an]] a non-image-pickup period, the light rays of the second light source having no image data.

17. to 19. (Cancelled)

20. (Previously Presented) A driving method of a radiation image-pickup device having a plurality of photoelectric conversion elements, comprising:

a radiation photographing step of radiating radiation onto an object to be read out in order to obtain image information; and

a step of radiating light of a light-absorbing wavelength region of the photoelectric conversion elements before an image-pickup step.

21. (New) The image data processing system according to claim 15, wherein the radiation source is an X-ray source.

22. (New) The image data processing system according to claim 15, wherein the light source is an LED, an EL, a cathode ray tube, or a semiconductor laser.

23. (New) The driving method according to claim 16, wherein the first light source is an X-ray source.

24. (New) The driving method according to claim 16, further comprising a step of resetting an electric charge of the semiconductor element.

25. (New) The driving method according to claim 16, wherein the second light source is an LED, an EL, a cathode ray tube, or a semiconductor laser.

26. (New) The driving method according to claim 20, wherein the radiation is X-ray.

27. (New) The driving method according to claim 20, further comprising a step of resetting electric charges of the photoelectric conversion elements.